

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.  
WASHINGTON, D.C. 20460

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

## DATA MATRIX

Date May 25, 2017	EPA Reg No./File Symbol 91540-1	Page 1 of 5
Applicant's/Registrant's Name & Address Esstar Crop Science, Inc. 3187 Robertson Gin Road Hernando, MS 38632	Product Esstar Etoxazole Technical	

Ingredient Etoxazole (CAS No. 153233-91-1)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	49940301	Esstar Crop Science, Inc.	OWN	
830.1600	Description of Materials Used to Produce the Product	49940301	Esstar Crop Science, Inc.	OWN	
830.1620	Description of Production Process	49940301	Esstar Crop Science, Inc.	OWN	
830.1650	Description of Formulation Process				Not Required <sup>1</sup>
830.1670	Discussion of Formation of Impurities	49940301	Esstar Crop Science, Inc.	OWN	
830.1700	Preliminary Analysis	49940302	Esstar Crop Science, Inc.	OWN	
830.1750	Certified Limits	49940301	Esstar Crop Science, Inc.	OWN	
830.1800	Enforcement Analytical Method	49940302	Esstar Crop Science, Inc.	OWN	
830.6302	Color	49940303	Esstar Crop Science, Inc.	OWN	
830.6303	Physical State	49940303	Esstar Crop Science, Inc.	OWN	
830.6304	Odor	49940303	Esstar Crop Science, Inc.	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	49940303	Esstar Crop Science, Inc.	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	49940303	Esstar Crop Science, Inc.	OWN	
830.6315	Flammability	49940304	Esstar Crop Science, Inc.	OWN	Waiver <sup>2</sup>
830.6316	Explosibility	49940304	Esstar Crop Science, Inc.	OWN	Waiver <sup>3</sup>
830.6317	Storage Stability	49940303	Esstar Crop Science, Inc.	OWN	

Signature



Name and Title

Ann M. Tillman, Agent

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830.6319	Miscibility	49940304			Not Applicable <sup>4</sup>
830.6320	Corrosion Characteristics	49940303	Esstar Crop Science, Inc.	OWN	
830.6321	Dielectric Breakdown Voltage	49940304			Not Required <sup>4</sup>
830.7000	pH	49940303	Esstar Crop Science, Inc.	OWN	
830.7050	UV/Visible Absorption	49940303	Esstar Crop Science, Inc.	OWN	
830.7100	Viscosity	49940304			Not Applicable <sup>4</sup>
830.7200	Melting Point/Melting Range	49940303	Esstar Crop Science, Inc.	OWN	
830.7220	Boiling Point/Boiling Range	49940304			Not Required <sup>5</sup>
830.7300	Density/Relative Density/Bulk Density	49940303	Esstar Crop Science, Inc.	OWN	
830.7370	Dissociation Constants in Water	49940304	Esstar Crop Science, Inc.	OWN	Waiver <sup>6</sup>
830.7520	Particle size, fiber length, diameter distribution	49940304	Esstar Crop Science, Inc.	OWN	Waiver <sup>4</sup>
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	49940304	Esstar Crop Science, Inc.	PL	
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	49940304	Esstar Crop Science, Inc.	PL	

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Ingredient Etoxazole (CAS No. 153233-91-1)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7860	Water Solubility, Generator Column Method				See 830.7840
830.7950	Vapor Pressure	49940304	Esstar Crop Science, Inc.	PL	
870.1100	Acute Oral Toxicity: Rat	45089919		OLD	
870.1200	Acute Dermal Toxicity: Rat	45089921		OLD	
870.1300	Acute Inhalation Toxicity: Rat	45089923		OLD	
870.2400	Primary Eye Irritation: Rabbit	45089925		OLD	
870.2500	Primary Dermal Irritation	45089927		OLD	
870.2600	Dermal Sensitization	45089929		OLD	
<b>Generic Data</b>					
Esstar Crop Science, Inc. is using the cite-all option to satisfy generic data requirements (including terrestrial food uses) and will make offers-to-pay to the following companies on the etoxazole data submitters list dated April 6, 2017.					
		Cite-All	BASF Corp.	PAY	
		Cite-All	Valent U.S.A. Corp.	PAY	
		Cite-All	Spray Drift Task Force	PAY	
		Cite-All	ISK Biosciences Corp	PAY	

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Esstar Crop Science, Inc.  
3187 Robertson Gin Road  
Hernando, MS 38632

Product

Esstar Etoxazole Technical

Ingredient Etoxazole (CAS No. 153233-91-1)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		Cite-All	Outdoor Residential Exposure Task Force	PAY	
		Cite-All	Agricultural Reentry Task Force	PAY	
		Cite-All	FIFRA Endangered Species Task Force	PAY	
		Cite-All	Agricultural Handlers Exposure Task Force	PAY	

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## Endnotes for Data Matrix for Esstar Etoxazole Technical

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- <sup>1</sup> **830.1650** - These data are not required for the registration of a manufacturing use product. See 830.1620 for production process information.
- <sup>2</sup> **830.6315** – Esstar Crop Science, Inc. requested a waiver from the requirement of this data requirement since Esstar Etoxazole Technical is a solid and does not contain flammable components. EPA accepted this waiver.
- <sup>3</sup> **830.6316** – Esstar Crop Science, Inc. requested a waiver from this data requirement because etoxazole does not have the chemical bonds or functional groups associated with explosive chemicals. EPA accepted this waiver.
- <sup>4</sup> **830.6319, 830.6321, 830.7100, 830.7520** – Esstar Etoxazole Technical is a solid and not an emulsifiable concentrate and is not to be diluted with petroleum solvents. Therefore, miscibility data are not applicable to this technical. Esstar Etoxazole Technical is not an end use product to be used around electrical equipment and data for dielectric breakdown constant are not required for technical materials. Esstar Etoxazole Technical is a solid and not a liquid, therefore, viscosity data are not applicable to this product. Esstar Crop Science, Inc. is seeking a waiver for Particle Size, Fiber Length, and Diameter Distribution for Esstar Etoxazole Technical because the product is not a fibrous material or a water-insoluble material.
- <sup>5</sup> **830.7220** – Esstar Etoxazole Technical is a solid and boiling point data are not required for solids. Data for melting point are required for solids. See Guideline 830.7200.
- <sup>6</sup> **830.7370** - Esstar Crop Science, Inc. requested a waiver from this data requirement because there are no functional groups in the structure of etoxazole that would dissociate. EPA accepted this waiver.